Coronary artery spasm after mitral and tricuspid annuloplasty

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A 75-year-old woman, with normal coronary arteries (Fig. 1), underwent uneventful mitrotricuspid annuloplasty. At ICU, sudden electrical and hemodynamic instability occurred. Echocardiography showed ventricular dysfunction without valve dysfunction. Coronariography demonstrated diffuse vasospasm (Fig. 2). Hemodynamic stabilization was obtained after intracoronary nitroglycerine and intra-aortic balloon pump. She made a full recovery.

Fig. 1. Preoperative coronary angiography showing normal coronary arteries.

Fig. 2. Postoperative coronary angiography showing a diffuse spasm of the left coronary tree (on the left) and the right coronary artery (on the right).